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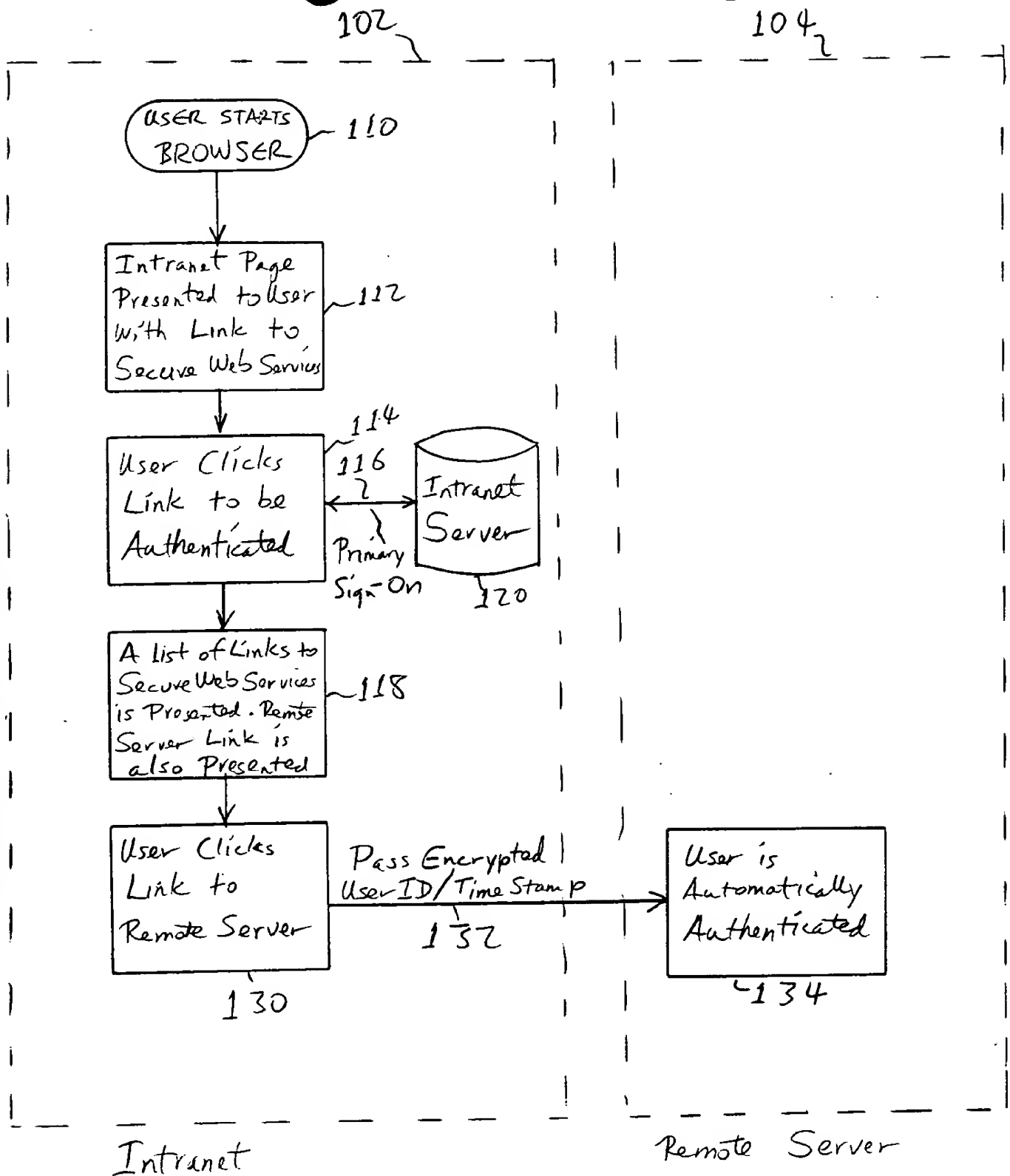


FIGURE 1

A hand-drawn diagram of an Intranet Sign-On form. The title "INTRANET SIGN-ON" is at the top. Below it are two input fields. The first field is labeled "USER" with a tilde and the number 202 above it. The second field is labeled "PASSWORD" with a tilde and the number 206 above it. To the right of the "USER" field is a horizontal rectangle with a tilde and the number 204 above it. To the right of the "PASSWORD" field is a horizontal rectangle with a tilde and the number 208 above it.

Diagram illustrating a user authentication system 200. The system includes a USER input field 202, a PASSWORD input field 206, a first processing block 204, and a second processing block 208. A vertical line separates these components from a reference numeral 200 on the right.

FIGURE 2A

INTRANET SERVICES

xxxxxx ~ 216

xxxxxxx ~ 218

REMOTE SERVER 220

XXXXXXXX ~ 216
 XXXXXXXX ~ 218
 220
 REMOTE SERVER

FIGURE 2B

[illegible]

```

graph TD
    subgraph Intranet_300 [Intranet 300]
        subgraph Intranet_Server_302 [Intranet Server 302]
            subgraph Server_Module_304 [Remote Server Module 304]
                Encryption_306[Encryption 306]
            end
        end
        Browser_308[User's Browser 308]
    end

    Browser_308 <-->|310| Server_Module_304
    Browser_308 -- 312 --> Server_Module_304
    Server_Module_304 -- 314 --> Browser_308

    subgraph Remote_Server_320 [Remote Server 320]
        CGI_322[CGI 322]
        subgraph Server_Application_324 [Remote Server Application 324]
            Error_Handler_326[Error Handler 326]
        end
    end

    Browser_308 -- 316 --> CGI_322
    CGI_322 -- 318 --> Browser_308
    CGI_322 -- 322 --> Server_Application_324

```

FIGURE 3

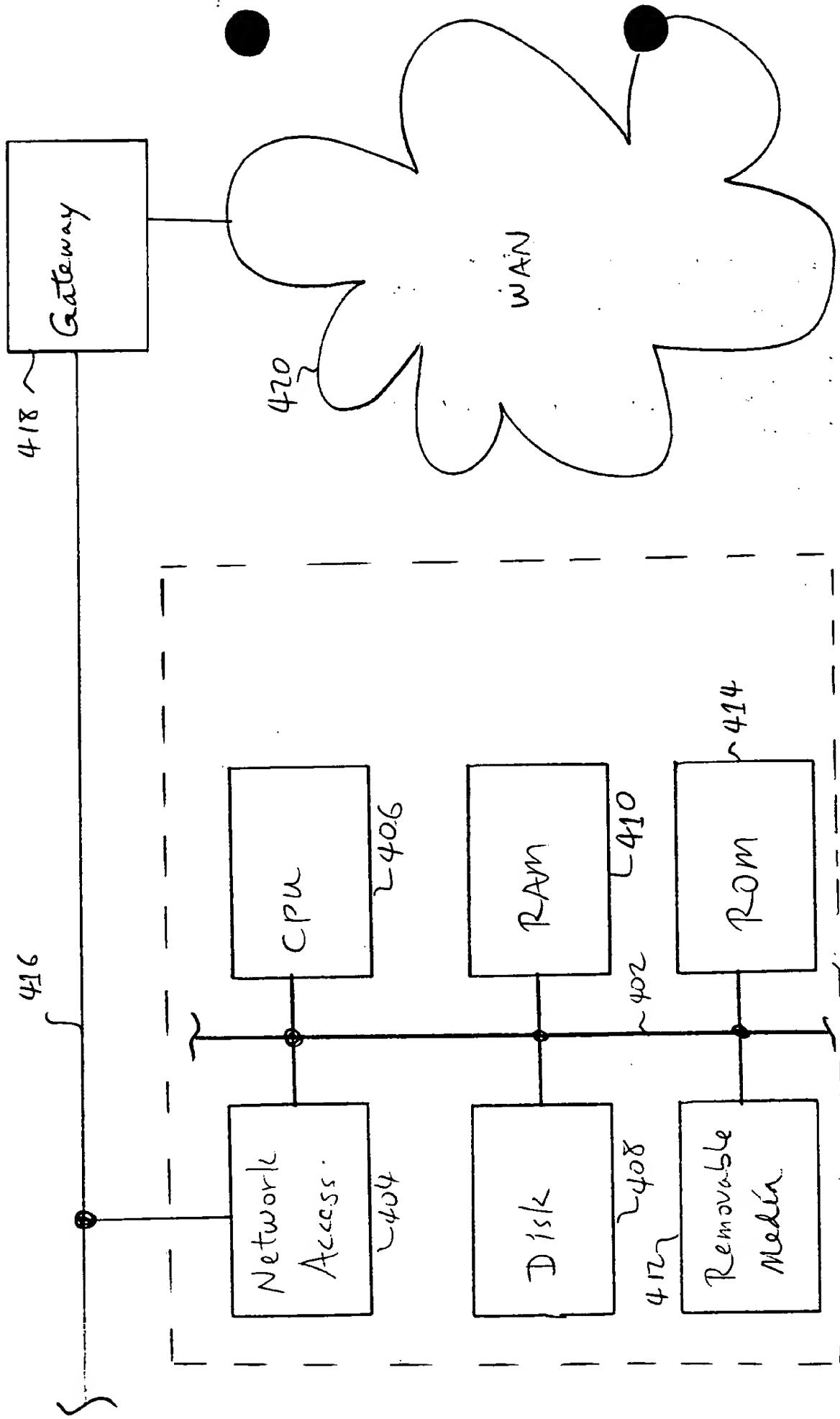


FIGURE 4

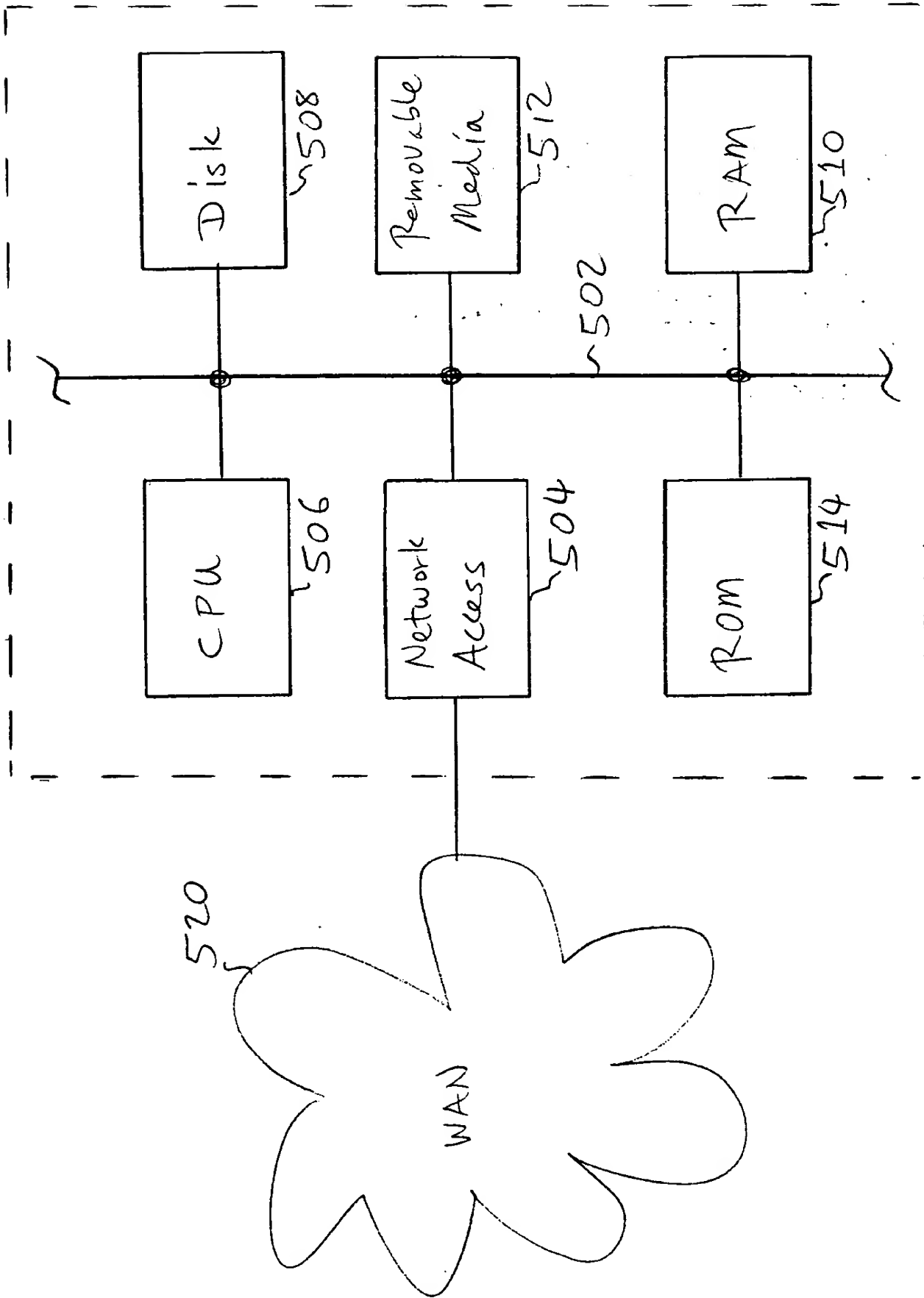


FIGURE 5

00000000000000000000000000000000

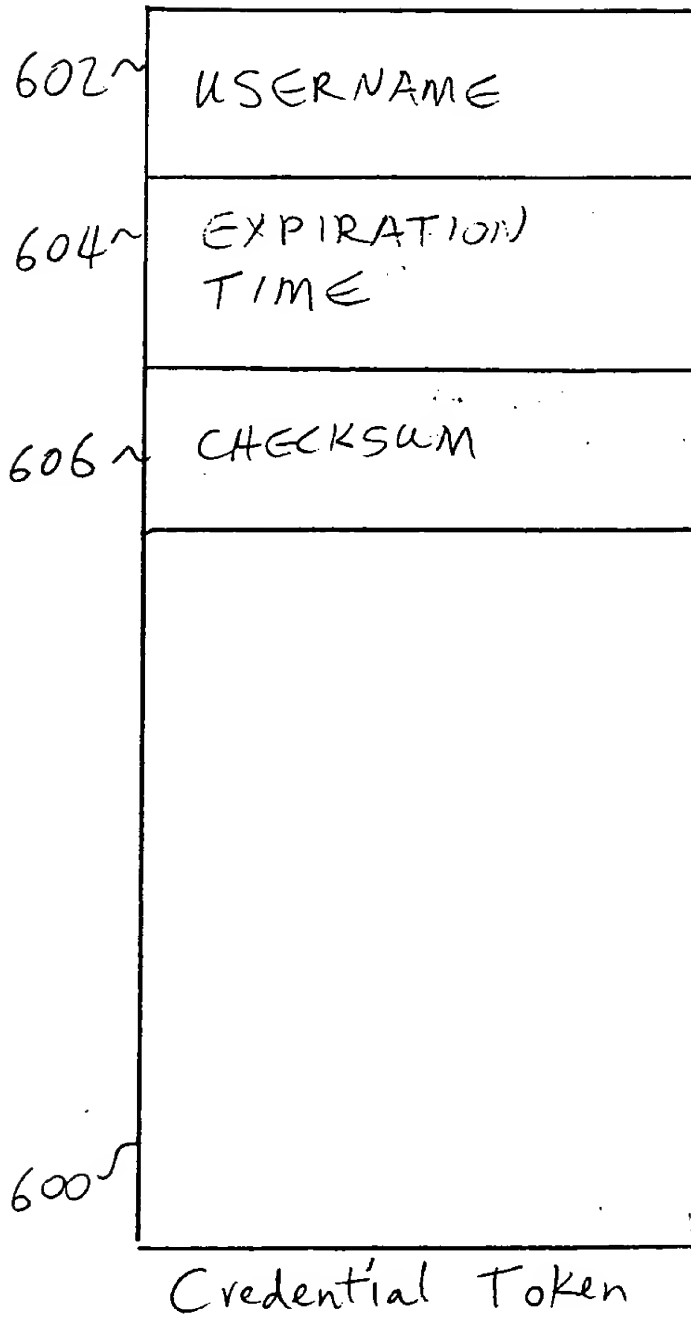


FIGURE 6

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graph TD
    700([START ~700]) --> 702[Intranet User Authentication ~702]
    702 --> 704[Form Token Fields ~704]
    704 --> 706[Concatenate Token Fields ~706]
    706 --> 708[Append Checksum ~708]
    708 --> 710[Encrypt Binary String ~710]
    710 --> 712[Convert Binary String to ASCII ~712]
    712 --> 714[Add ASCII Token to URL ~714]
    714 --> 716[Transmit URL to Remote Server ~716]
    716 --> 718[Decode/Decrypt Token ~718]
    718 --> 720{is Checksum Valid ~720}
    720 -- NO --> 730[Send Error Message ~730]
    720 -- YES --> 722{is Time Stamp within tolerance ~722}
    722 -- NO --> 732[Send Error message ~732]
    722 -- YES --> 724[Remote Server Authentication ~724]
    730 --> 726([END ~726])
    732 --> 726
    724 --> 726

```

FIGURE 7

END ~ 726

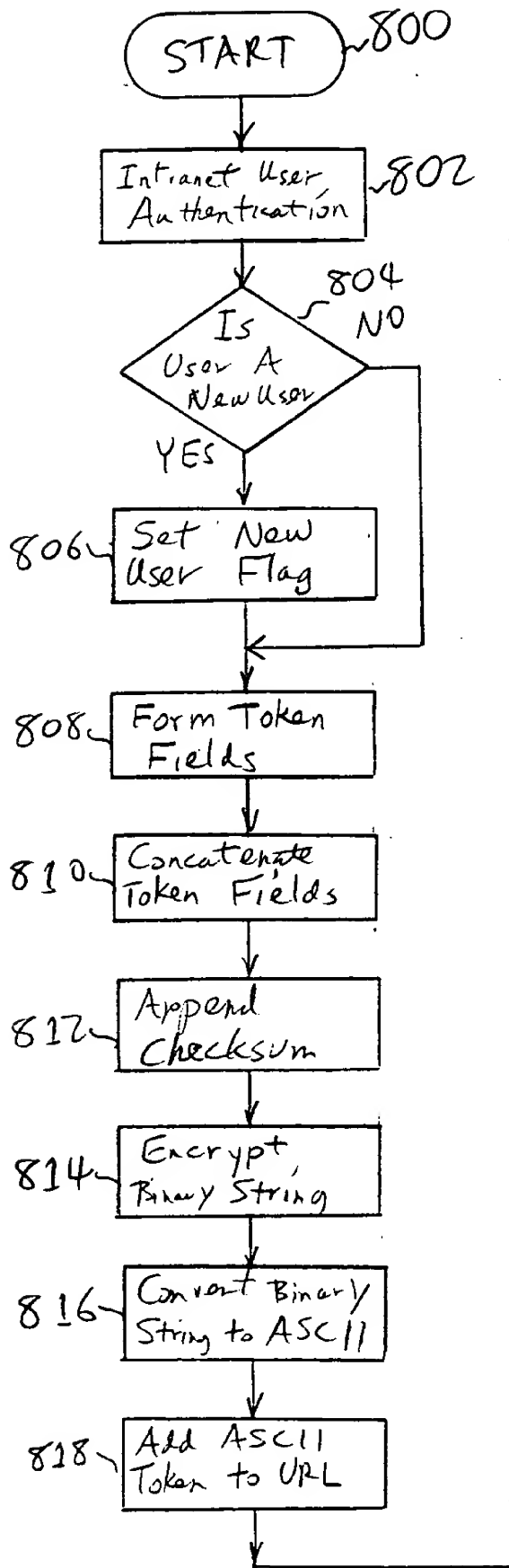


FIGURE 8

